



Lessard-Sams Outdoor Heritage Council

Hennepin County Habitat Conservation Program, Phase 1
Laws of Minnesota 2018 Accomplishment Plan

General Information

Date: 03/27/2023

Project Title: Hennepin County Habitat Conservation Program, Phase 1

Funds Recommended: \$1,514,000

Legislative Citation: ML 2018, Ch. 208, Art. 1, Sec. 2, subd 5(g)

Appropriation Language: \$1,514,000 the second year is to the commissioner of natural resources for an agreement with Hennepin County, in cooperation with Minnesota Land Trust, to acquire permanent conservation easements and to restore and enhance habitats in Hennepin County. Of this amount, \$194,000 is to Hennepin County and \$1,320,000 is to Minnesota Land Trust. Up to \$192,000 to Minnesota Land Trust is for establishing a monitoring and enforcement fund as approved in the accomplishment plan and subject to Minnesota Statutes, section 97A.056, subdivision 17. A list of proposed permanent conservation easements and restorations and enhancements must be provided as part of the required accomplishment plan.

Additional Legislative Changes: ML 2021, First Sp Session, Ch. 1, Art. 1, Sec. 2, Subd. 10 Carryforwards (b) The availability of the appropriations for the following projects is extended to June 30, 2023: (10) Laws 2018, chapter 208, article 1, section 2, subdivision 5, paragraph (g), for Hennepin County Habitat Conservation Program;

Manager Information

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Title:

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Location Information

County Location(s): Hennepin.

Eco regions in which work will take place:

- Metro / Urban

Activity types:

- Protect in Easement
- Restore
- Enhance

Priority resources addressed by activity:

- Wetlands
- Prairie
- Forest
- Habitat

Narrative

Abstract

Hennepin County and Minnesota Land Trust in partnership with willing landowners, propose to permanently protect 161 acres through conservation easements, and restore and enhance 120 acres of critical habitat. Intense development pressure is a persistent threat to remaining high quality habitat in Hennepin County. This first phase of the Hennepin County Habitat Conservation Program will use Hennepin County's recently-adopted conservation easement program to actively pursue protection of priority lands and facilitate habitat restoration and enhancement on new and existing permanently protected lands.

Design and Scope of Work

The Twin Cities metro area is rapidly losing critical, high-quality and diverse habitat for migrating waterfowl, canopy-dwelling and grassland birds, game birds, pollinators and other wildlife.

Over the past 15 years Hennepin County in partnership with its cities has used extensive field work and the Minnesota Land Classification System Methodology to assess and inventory every acre of land in the county and document the quality of the associated natural communities. This assessment resulted in the identification of ecologically significant areas and natural resource corridors that connect areas of significant habitat across the county. In total, ecologically significant areas and corridors account for about 60,000 acres of land, of which only 31 percent is permanently protected. Using these rich datasets, this program has established focus areas for protection, restoration and enhancement.

The Hennepin County conservation easement program adopted in 2016 established a process for the systematic protection of these focus areas and the remaining forests, prairies, and wetlands associated with them. Over the next 20 years, the county plans to permanently protect 6,000 additional acres. This means that by 2037, 41 percent of the county's best remaining natural areas (24,600 acres) will be permanently protected, totaling just over 6 percent of the total land area in the county. This proposal – phase 1 of the Hennepin County Habitat Conservation Program will accomplish 2.5 percent (161 acres) of this long-term objective and will lay a strong foundation of community outreach that will facilitate an increased pace of protection in future phases as the Program becomes

established.

Hennepin County, working in partnership with the Minnesota Land Trust, will take a three-pronged approach to land protection that builds on the strengths of the respective partners. In addition to managing the program, Hennepin County will use its connections to the community to cultivate interest among landowners within the highest priority natural resource target areas. The county will work with its 11 watershed organizations and 45 cities to identify easement opportunities and build landowner connections. The Minnesota Land Trust will bring the experience of its land protection and legal team to negotiate the purchase of conservation easements with landowners. An RFP approach similar to what the Land Trust has used in other areas will identify high value protection opportunities and encourage a competitive marketplace for scarce monetary resources. All opportunities for easement acquisition will be scored and ranked based on three factors: ecological significance (quantity and quality of habitat, landscape context), level of threat to the property, and overall cost (funding required by the landowner to complete the project).

How does the plan address habitats that have significant value for wildlife species of greatest conservation need, and/or threatened or endangered species, and list targeted species?

Hennepin County is home to remnants of both Minnesota's Big Woods forest and the western prairies, and was historically dotted by abundant wetlands of many types, more than 50 percent of which have been lost. The great diversity of habitat types and the resulting fish, game, and wildlife species found in Hennepin County presents unique and unparalleled opportunities for protection, restoration, and enhancement. The county's natural resource corridors and ecologically significant areas include remnant old growth Maple-Basswood forest, rich and poor fens, tamarack bogs, oak savannas, shallow lakes, restored prairie, and remnant native prairie, all of which are critically essential habitat for a variety of wildlife. Wildlife on the federal list of endangered and threatened species that can be found in Hennepin County include the Northern long-eared bat, Monarch butterfly, Higgins eye pearly mussel, and the Rusty-patched bumble bee. Hennepin County is home to 19 rare plants, 27 rare ecosystems, and 61 rare animal species. There are 53 Species in Greatest Conservation Need that would be impacted by this proposal including Blanding's turtle and Trumpeter swans.

Describe how the plan uses science-based targeting that leverages or expands corridors and complexes, reduces fragmentation or protects areas identified in the MN County Biological Survey:

Natural resource corridors are open spaces that contain and connect natural areas, lakes, streams, wetlands, and regional parks. They contain some but not all ecologically significant areas, which are forests, prairies and wetlands with primarily native vegetation that have not been significantly altered since European settlement. These are the best remaining and ecologically intact areas in the county and some of the finest habitat of their kind anywhere in the state. These areas include Big Woods forest, wetlands, and native prairie along the slopes of the Minnesota River.

Hennepin County's ecologically significant areas and natural resource corridors were established as part of a comprehensive land cover inventory completed in 2008. The inventory populated the DNR's Minnesota Land Cover Classification System dataset for the county. Polygons classified as water, herbaceous, shrubland, or woodland that were field evaluated as being A, B, or C quality were identified as ecologically significant areas. Natural resource corridors were identified by spatial analysis focused on areas with high concentrations of ecologically significant

areas, creating connections between ecologically significant areas, and expanding large complexes of high quality habitat.

About 15 percent of the land area in the county - about 60,000 acres - are ecologically significant areas and natural resource corridors. Of these, about 41,400 acres are private property that are partially or entirely unprotected. Priority areas for program outreach have been developed using the DNR Rare Feature dataset, the State Wildlife Action Plan's Wildlife Action Network, proximity to protected land, and local knowledge of landowner interest. The highest priority areas will be the more than 11,000 acres that are both identified in the Wildlife Action Network and entirely unprotected.

All easement opportunities (identified through targeted outreach to landowners and via an RFP process) will be evaluated using ecological factors including occurrence of rare features, floristic quality index, quantity of outstanding/high/moderate areas of biodiversity significance, and amount of contiguous border and distance from protected lands.

Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?

- H1 Protect priority land habitats
- H5 Restore land, wetlands and wetland-associated watersheds

Which two other plans are addressed in this program?

- Minnesota's Wildlife Action Plan 2015-2025
- Outdoor Heritage Fund: A 25 Year Framework

Which LSOHC section priorities are addressed in this program?

Metro / Urban

- Protect, enhance, and restore remnant native prairie, Big Woods forests, and oak savanna with an emphasis on areas with high biological diversity

Outcomes

Programs in metropolitan urbanizing region:

- A network of natural land and riparian habitats will connect corridors for wildlife and species in greatest conservation need ~ *The following metrics will be tracked annually to evaluate the success of the Program: acres protected; acres restored and enhanced; adapted connectivity indices (terrestrial, aquatic, and riparian); and suitability of protected acres for use by species of greatest conservation need.*

Does this program include leveraged funding?

-

Non-OHF Appropriations

Year	Source	Amount
2006	LCCMR (for Natural Resources Inventory)	\$80,000
NA	City of Bloomington, City of Plymouth, Mississippi Watershed Management Organization (for Natural Resources Inventory)	\$160,000
NA	Hennepin County (1 FTE Natural Resources Specialist, 2003-2016)	\$1,440,000
NA	Hennepin County (stewardship funds for 3 easement co-held with MLT)	\$54,000
NA	Hennepin County (operating budget for natural resources program 2003-2016)	\$180,000
NA	Hennepin County, PCA, MDH, Landowner (special project to restore a conservation easement)	\$180,000

How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

Both partners are experienced land and easement managers and co-holding easements provides another level of assurance that the habitat protected and restored will be sustained using the best standards and practices of conservation easement stewardship.

The Minnesota Land Trust is a nationally-accredited and insured land trust with a successful stewardship program that includes property monitoring, effective records management, addressing inquiries and interpretations, tracking changes in ownership, investigating potential violations and defending the easement in case of a true violation. Hennepin County successfully holds, co-holds or manages seven conservation easements and 38 RIM easements.

To ensure that the protected resources will be managed to support biological integrity, Habitat Management Plans and Restoration/Enhancement Plans will be developed for each conservation easement and restoration/enhancement project. Hennepin County and the Land Trust are committed to maintaining relationships with project landowners, and securing the technical and financial resources to undertake prescribed activities.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
2021 (and in perpetuity)	MLT Stewardship & Enforcement Fund; Hennepin County	Annual monitoring of property in perpetuity (by MLT)	Enforcement as needed (by MLT and Hennepin County)	-
2021 (and in perpetuity)	Hennepin County	Annual monitoring of completed restoration project performance standards (by Hennepin County)	Make adaptive management course corrections as needed to meet performance standards	Continue monitoring periodically to ensure restoration objectives are sustained

Activity Details

Requirements

If funded, this program will meet all applicable criteria set forth in MS 97A.056?

Yes

Is the land you plan to acquire (easement) free of any other permanent protection?

Yes

Who will manage the easement?

Minnesota Land Trust

Who will be the easement holder?

Hennepin County and the Minnesota Land Trust will co-hold the easements.

Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?

Yes

Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 or on lands to be acquired in this program?

Yes

Where does the activity take place?

- Permanently Protected Conservation Easements
- County/Municipal

Land Use

Will there be planting of any crop on OHF land purchased or restored in this program?

No

Will the eased land be open for public use?

No

Are there currently trails or roads on any of the proposed acquisitions?

Yes

Describe the types of trails or roads and the allowable uses:

Conservation easements established on private lands often have driveways, field roads and trails located on them. These established trails and roads will be permitted in the terms of the conservation easement and can be maintained for personal use, provided that they do not interfere with the conservation value of the property. Creation of new roads or trails or expansion of existing ones is typically not allowed.

Will the trails or roads remain and uses continue to be allowed after OHF acquisition?

Yes

How will maintenance and monitoring be accomplished?

Existing trails and roads will be identified in the project baseline reports and will be monitored annually as part of the Land Trust's stewardship and enforcement protocols. Maintenance of permitted roads/trails will be the responsibility of the landowner.

Will new trails or roads be developed or improved as a result of the OHF acquisition?

No

Timeline

Activity Name	Estimated Completion Date
Acquire conservation easements: 1) identify landowners; 2) negotiate, draft and complete easements; 3.) dedicate funds for stewardship	June 2021
Restore & enhance existing permanently protected areas: 1) select projects; 2) draft restoration plan and performance standards; 3) perform restoration activities; 4) annual monitoring for restoration success; 5) adaptive management and additional restoration activities as needed to meet performance standards	June 2021
Restore & enhance new conservation easements: 1) select projects; 2) draft restoration plan and performance standards; 3) perform restoration activities; 4) annual monitoring for restoration success; 5) adaptive management and additional restoration activities as needed to meet performance standards	June 2023

Date of Final Report Submission: 11/01/2023**Availability of Appropriation:** Subd. 7. Availability of Appropriation

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Unless otherwise provided, the amounts in this section are available until June 30, 2021. For acquisition of real property, the amounts in this section are available until June 30, 2022, if a binding agreement with a landowner or purchase agreement is entered into by June 30, 2021, and closed no later than June 30, 2022. Funds for restoration or enhancement are available until June 30, 2023, or five years after acquisition, whichever is later, in order to complete initial restoration or enhancement work. If a project receives at least 15 percent of its funding from federal funds, the time of the appropriation may be extended to equal the availability of federal funding to a maximum of six years if that federal funding was confirmed and included in the second draft accomplishment plan. Funds appropriated for fee title acquisition of land may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public-use facilities must have a minimal impact on habitat in acquired lands.

Budget

Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.

Grand Totals Across All Partnerships

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	\$126,300	\$337,900	Hennepin County, Hennepin County, Hennepin County	\$464,200
Contracts	\$461,700	\$25,000	-, Hennepin County	\$486,700
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$798,000	\$201,100	-, Landowner Donation	\$999,100
Easement Stewardship	-	\$144,000	-, Hennepin County	\$144,000
Travel	\$1,600	-	-	\$1,600
Professional Services	\$90,800	\$53,500	-, Hennepin County	\$144,300
Direct Support Services	\$34,100	-	-	\$34,100
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	\$1,500	-	-	\$1,500
DNR IDP	-	-	-	-
Grand Total	\$1,514,000	\$761,500	-	\$2,275,500

Partner: Hennepin County**Totals**

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	-	\$337,900	Hennepin County, Hennepin County, Hennepin County	\$337,900
Contracts	\$192,700	-	-	\$192,700
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	-	-	-
Travel	-	-	-	-
Professional Services	-	-	-	-
Direct Support Services	-	-	-	-
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	\$1,300	-	-	\$1,300
DNR IDP	-	-	-	-
Grand Total	\$194,000	\$337,900	-	\$531,900

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
Natural Resources Specialist	0.2	5.0	-	\$121,400	Hennepin County	\$121,400
Outreach Specialist	0.75	3.0	-	\$202,500	Hennepin County	\$202,500
Land and Water Supervisor	0.05	3.0	-	\$14,000	Hennepin County	\$14,000

Partner: Minnesota Land Trust**Totals**

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	\$126,300	-	-	\$126,300
Contracts	\$269,000	\$25,000	Hennepin County	\$294,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$798,000	\$201,100	Landowner Donation	\$999,100
Easement Stewardship	-	\$144,000	Hennepin County	\$144,000
Travel	\$1,600	-	-	\$1,600
Professional Services	\$90,800	\$53,500	Hennepin County	\$144,300
Direct Support Services	\$34,100	-	-	\$34,100
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	\$200	-	-	\$200
DNR IDP	-	-	-	-
Grand Total	\$1,320,000	\$423,600	-	\$1,743,600

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
Conservation Staff, Legal Staff, and Support Staff	0.34	3.0	\$126,300	-	-	\$126,300

Amount of Request: \$1,514,000**Amount of Leverage:** \$761,500**Leverage as a percent of the Request:** 50.3%**DSS + Personnel:** \$160,400**As a % of the total request:** 10.59%**Easement Stewardship:** -**As a % of the Easement Acquisition:** -**How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?**

Acreage outputs will be reduced, thereby reducing costs associated with developing projects and closing easements. Hennepin County eliminated its request for grant funds to be directed toward an Outreach Specialist. This position will be funded by the County and counted as leverage toward the grant.

Describe and explain leverage source and confirmation of funds:

Hennepin County Environment and Energy Department operations are funded by the Solid Waste Enterprise Fund (money received from the sale of energy and recovered materials) as allowed by Minnesota Statute. The Land Trust encourages landowners to fully or partially donate the value of conservation easements.

Contracts

What is included in the contracts line?

Yes. Hennepin County will manage \$192,700 worth of restoration and enhancement activities under contracts with restoration partners and \$252,700 will be managed by MLT for habitat improvement activities and for the development of restoration plans for selected restoration/enhancement projects.

Travel

Does the amount in the travel line include equipment/vehicle rental?

-

Explain the amount in the travel line outside of traditional travel costs of mileage, food, and lodging

I understand and agree that lodging, meals, and mileage must comply with the current MMB Commissioner Plan:

No

Direct Support Services

How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?

In a process that was approved by the DNR on March 17, 2017, Minnesota Land Trust determined our direct support services rate to include all of the allowable direct and necessary expenditures that are not captured in other line items in the budget, which is similar to the Land Trust's proposed federal indirect rate. We will apply this DNR-approved rate only to personnel expenses to determine the total amount of direct support services.

Federal Funds

Do you anticipate federal funds as a match for this program?

No

Output Tables**Acres by Resource Type (Table 1)**

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	0	0	0	56	56
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	161	161
Enhance	0	0	0	64	64
Total	0	0	0	281	281

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	\$157,600	\$157,600
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	\$1,067,300	\$1,067,300
Enhance	-	-	-	\$289,100	\$289,100
Total	-	-	-	\$1,514,000	\$1,514,000

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	56	0	0	0	0	56
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0
Protect in Easement	161	0	0	0	0	161
Enhance	64	0	0	0	0	64
Total	281	0	0	0	0	281

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	\$157,600	-	-	-	-	\$157,600
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	\$1,067,300	-	-	-	-	\$1,067,300
Enhance	\$289,100	-	-	-	-	\$289,100
Total	\$1,514,000	-	-	-	-	\$1,514,000

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	\$2,814
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	\$6,629
Enhance	-	-	-	\$4,517

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	\$2,814	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	\$6,629	-	-	-	-
Enhance	\$4,517	-	-	-	-

Target Lake/Stream/River Feet or Miles

Parcels

For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.

Parcel Information

Sign-up Criteria?

[Yes - Sign up criteria is attached](#)

Explain the process used to identify, prioritize, and select the parcels on your list:

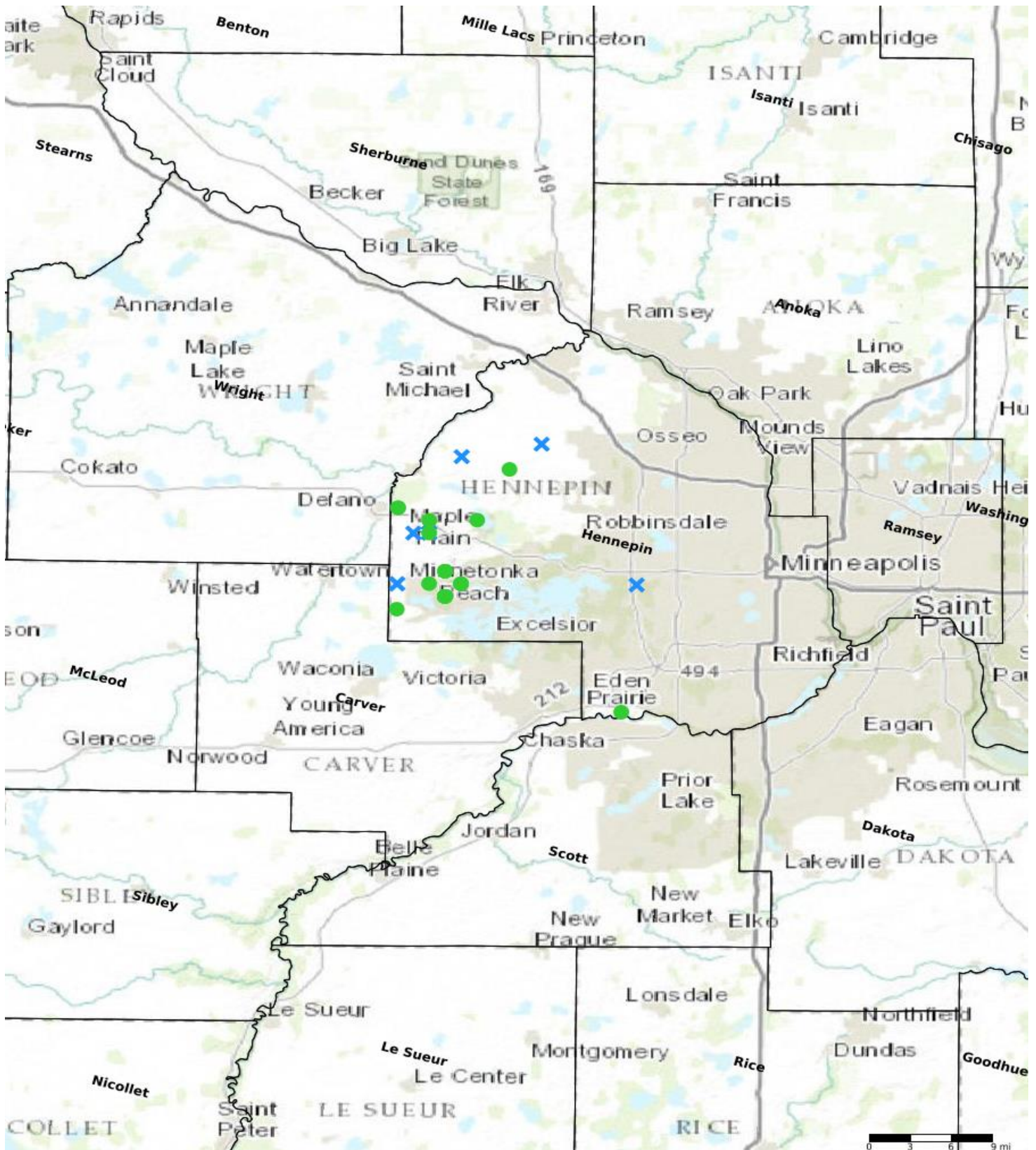
Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Clemens Easement	Hennepin	11724207	6	\$9,800	Yes
Minor Easement	Hennepin	11824221	1	\$4,900	Yes
Kirwin Easement	Hennepin	11824221	13	\$25,600	Yes
Cullen Nature Preserve	Hennepin	11722210	31	\$10,000	Yes
Schendel Lake (Steinbach)	Hennepin	11924223	23	\$34,000	Yes
Clemens Easement	Hennepin	11724207	3	\$18,000	Yes
Rabe Woods (Rabe)	Hennepin	11923215	15	\$10,500	Yes
Björklund Easement	Hennepin	11824220	20	\$64,300	Yes

Protect Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Little Long Lake 8 - MLT	Hennepin	11724215	48	\$384,000	No
Lake Minnetonka 3 - MLT	Hennepin	11724211	10	\$80,000	No
Lake Minnetonka 2 - MLT	Hennepin	11724211	10	\$80,000	No
Lake Minnetonka 1 - MLT	Hennepin	11724211	40	\$320,000	No
MLT - Minnesota River 1	Hennepin	11622233	290	\$1,000,000	No
MLT - Painter Creek 3	Hennepin	11724203	39	\$312,000	No
MLT - Painter Creek 2	Hennepin	11724203	38	\$304,000	No
MLT - Lake Rebecca 1	Hennepin	11824207	111	\$0	No
Painter Creek 1	Hennepin	11724203	22	\$400,000	No
Lake Independence (Kirwin-McGray)	Hennepin	11824216	19	\$325,000	No
Little Long Lake 1	Hennepin	11724215	5	\$50,000	No
Little Long Lake 3	Hennepin	11724215	71	\$852,000	No
Little Long Lake 4	Hennepin	11724215	8	\$64,000	No
Lake Independence 2	Hennepin	11824221	10	\$80,000	No
Lake Jubert 1	Hennepin	11923229	120	\$960,000	No
Lake Robina 1	Hennepin	11824207	45	\$0	No
Little Long Lake (Flatten)	Hennepin	11724209	36	\$96,000	No
Prairie Hill (Clark)	Hennepin	11724219	38	\$62,000	No
Little Long Lake (Ingles)	Hennepin	11724215	21	\$160,000	No
Little Long Lake (Staunton)	Hennepin	11724215	19	\$155,000	No
Lake Independence (White)	Hennepin	11824213	47	\$0	No

Parcel Map



- Protect in Easement
- ▲ Protect in Fee with PILT
- Protect in Fee W/O PILT
- ★ Restore
- ✕ Enhance
- ⊕ Other